

File MEK

153388

U.S. ENVIRONMENTAL PROTECTION AGENCY

POLLUTION REPORT

DATE: August 30, 1984

Region II
Response and Prevention Branch
Edison, NJ 08837

(201) 321-6670 - Commercial
(201) 548-8730 - 24 Hr. Emergency
340-6670 - FTS

TO: R. Dewling, EPA
W. Librizzi, EPA
F. Rubel, EPA
W. Mugdan, EPA
J. Marshall, EPA
USCG 3rd District, (mep)
USCG COTPNY
ERD, EPA Washington, D. C.
(Data Gram)
D. Vaupel, USGS
T. Quinn, NYSDEC
N. Nosenchuck, NYSDEC
NRC
G. Donohue, Nassau County
Dept. of Health
J. Schechter, Nassau County
Dept. of Health
TAT

POLREP NO.: Thirty-Three (33)
INCIDENT NAME: Hicksville MEK
SITE/SPILL NO.: 246-82, CERCLA No: 36
POLLUTANT: Methyl Ethyl Ketone
CLASSIFICATION: Medium
SOURCE: Mattiace Petrochemical Co., Glencove, New York
LOCATION: Hicksville, Long Island
AMOUNT: Approximately 3,000 Gallons
WATER BODY: Groundwater

1. SITUATION:

A. Planned removal activities on site are on-going under contract for services #68-01-6893 with O.H. Materials Company.

2. ACTION TAKEN:

A. Approximately 2,887,964 gallons of groundwater, averaging 65 ppm, have been pumped out of the ground. Of this, an estimated 358,961 gallons have been lost to evaporation and an estimated 2,529,003 gallons of groundwater have been successfully treated to NYSDOH specified limits and reinjected.

B. Influent concentrations have fallen from the initial high of 800 ppm to less than 3 ppm from the on-site extraction wells.

C. The system is operating continuously except for periodic maintenance. It is no longer necessary to recycle each influent batch. To date, 22 batches have not required recycling through the system, 21 batches have been stripped twice and 8 batches have required 3 cycles of stripping.

D. Replacement of stripper main pump and part of the stripper Inlet piping was required on August 12, 1984 as a result of acid attack. New corrosion-proof components have been installed, but operation has continued using temporary components.

E. Three reinjection wells are being modified to enable employment of pressure injection to increase the rate of return of the treated water into the aquifer.

3. STATUS OF FUNDS:

| | |
|--|---------------|
| A. Total Extramural Trust Funds Authorized for Mitigation Contracts | \$ 900,000.00 |
| B. Expenditures for Mitigation | |
| 1.a. Amount obligated under ERCS Contract #68-01-6893, O.H. Materials, Order for Services Number 2893-02-002 dated 2/13/84 (DCN #D2D013) | 500,000.00 |
| 1.b. Estimated expenditures to 7/29/84 under (DCN #D2D013) | 500,000.00 |
| 1.e. Balance of obligated amount under (DCN #D2D013) | -0- |
| 2.a. Amount obligated under ERCS Contract #68-01-6893, O.H. Materials, Order for services Number 6893-02-002 dated 8/29/84 (DCN #KCS407) | 323,550.00 |
| 2.b. Estimated expenditures to 8/29/84 under (DCN #KCS407) | 185,004.78 |
| 2.c. Balance of obligated amount under (DCN #KCS407) | 138,545.22 |
| C. Balance of unobligated authorized funding | 76,450.00 |

| | |
|--|---------------|
| D. Estimated total expenditures to 8/29/84 for mitigation contracts | 685,004.78 |
| E. Other estimated costs | |
| a. TAT costs to date through 8/29/84 | 32,974.00 |
| F. Intramural costs | |
| a. EPA to date through 8/14/84 | 32,836.02 |
| G. Total estimated expenditures to 8/29/84 | \$ 750,814.00 |
| Percentage of LM | (75.08% LM) |

4. FUTURE PLANS AND RECOMMENDATIONS:

A. The addition of low cost, in-ground, non-contaminating nutrient to stimulate the bacteria native to the site for the reduction of MEK concentration in the groundwater to less than 50 ppb has been demonstrated in laboratory tests by O. H. Materials. Verbal approval for instituting this process has been received by the OSC from NYSDEC, Nassau County DOH, Hicksville Water District. Nutrient injection is scheduled to begin immediately.

B. Continue the authorized planned removal action.

CASE PENDING X

CASE CLOSED _____

SUBMITTED BY: _____

Robert M. Cobiella
Robert Cobiella, OSC
Site Mitigation
Section

(TAT)

Date Released: _____

8/30/84